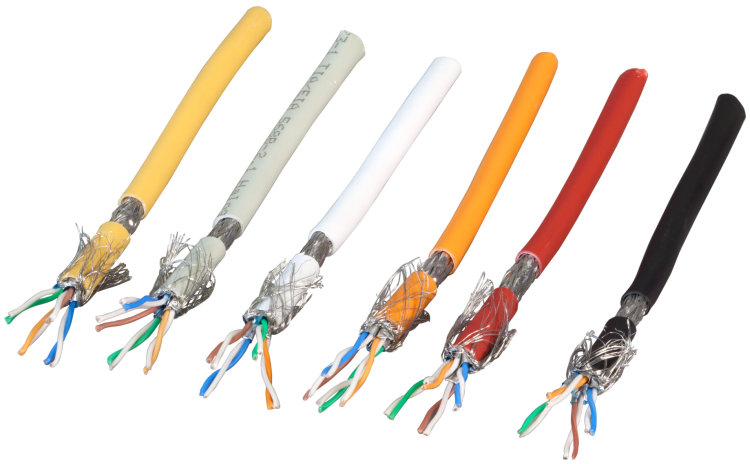
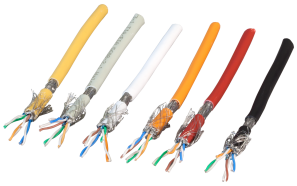
DATASHEET

Raw cable Cat.7, S/FTP, LSZH, pink, 100m ring





General data

The Cat.7 S/FTP raw cable halogen-free in magenta from EFB-Elektronik is designed for high-performance network cabling. The S/FTP structure with FRNC-B jacket supports stable data connections up to 600 MHz and is therefore suitable for modern installations with high bandwidth.

• Cat.7 with 600 MHz and support for IEEE 802.3 10Mbit to 10Gbit – Provides reserves for high-performance network structures and creates scope for changing requirements.
• S/FTP design with braid shielding – Reduces interference and supports stable signal quality in demanding cabling.
• FRNC-B jacket in magenta and halogen-free version according to EN 60754-1/2 and EN 60754 – Complements the installation with a contemporary choice of materials for structured environments.

The cable is designed as a simplex and uses 26/7 conductors with 8 wires. The dynamic bending radius of 5 x AD makes installation easier. The braided shielding supports decoupling from external influences and the design is intended for PoE according to IEEE802.3af, PoE+ according to IEEE802.3at and 4PPoE according to IEEE802.3bt. This prepares the version for modern network installations with high demands on transmission quality and energy supply.

Technical details
• Brand: EFB-Elektronik
• Category: 7
• Transmission standards: IEEE 802.3 10Mbit to 10Gbit
• Max. frequency: 600 MHz
• Cable construction: S/FTP

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WIR SORGEN FÜR VERBINDUNG
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- PoE: after IEEE802.3af PoE, after IEEE802.3at PoE+, after IEEE802.3bt 4PPoE
- AWG cross-section/number of wires: 26/7
- Number of cores: 8
- Type: simplex
- Sheath material: FRNC-B
- Sheath colour: magenta
- Directive/Regulation: RoHS 2011/65/UE
- Halogen-free: according to EN 60754-1/2, according to EN 60754
- Bend radius (dynamic): 5 x OD
- Shield over stranding: braid

Technical properties	
AWG-size	26/7
Bending radius (dynamic)	5 x OD
Cable	IEC 61156-5
Cable structure	S/FTP
Cable type	EFB Cat.7 S/FTP Patchcable LSZH
Cabling standards	ANSI/TIA 568-C.2
Category	7
Characteristic impedance	100 ± 15 Ohm
Conductor category	Class 2 = stranded
Conductor material	Copper, tinned
Core identification	Colour
Core insulation	Foam-Skin-PE
Directive/Regulation	RoHS 2011/65/UE
Flame retardant	acc. to EN 60332-1
Halogen free	acc. to EN 60754-1/2
Installation standard	EN 50174
Insulation resistance (500V)	≥ 100 MOhm/km
Loop resistance	≤ 142 Ohm/km
Low smoke	acc. to EN 61034
Material outer sheath	FRNC-B
Max. Freuqency	MHz MHz
Operating temperature, fix	-20 – 60 °C
Operating temperature, flexible	0 – 60 °C
Operating temperature, storage	0 – 60 °C
PoE	acc. to IEEE802.3af PoE
Resistance unbalance	2 %
Screen over stranding	braiding
Screen over stranding element	Foil

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Stranding element	Pairs
Transmission standards	IEEE 802.3 10Mbit bis 10Gbit
UV resistant	Nein

Available variants

ArtNr.	Bezeichnung	Colour outer sheath	Length	Number of cores	Type	Copper weight	Weight	Max. tractive force	Outer diameter approx.	Fire load
MK7104.100B	Raw cable Cat.7, S/FTP, LSZH, black, 100m ring	black	100.0 m	8	simplex	17 kg/km	32.6 kg/km	100 N	6.5 mm	465 MJ/km
MK7104.100BL	Raw cable Cat.7, S/FTP, LSZH, blue, 100m ring	blue	100.0 m	8	simplex	17 kg/km	32.6 kg/km	100 N	6.5 mm	465 MJ/km
MK7104.100G	Raw cable Cat.7, S/FTP, LSZH, grey, 100m ring	grey	100.0 m	8	simplex	17 kg/km	32.6 kg/km	100 N	6.5 mm	465 MJ/km
MK7104.100GR	Raw cable Cat.7, S/FTP, LSZH, green, 100m ring	green	100.0 m	8	simplex	17 kg/km	32.6 kg/km	100 N	6.5 mm	465 MJ/km
MK7104.100O	Raw cable Cat.7, S/FTP, LSZH, orange, 100m ring	orange	100.0 m	8	simplex	17 kg/km	32.6 kg/km	100 N	6.5 mm	465 MJ/km
MK7104.100P	Raw cable Cat.7, S/FTP, LSZH, pink, 100m ring	magenta	100.0 m	8	simplex	6.5 mm				
MK7104.100R	Raw cable Cat.7, S/FTP, LSZH, red, 100m ring	red	100.0 m	8	simplex	17 kg/km	32.6 kg/km	100 N	6.5 mm	465 MJ/km
MK7104.100V	Raw cable Cat.7, S/FTP, LSZH, violet, 100m ring	purple	100.0 m	8	simplex	17 kg/km	32.6 kg/km	100 N	6.5 mm	465 MJ/km
MK7104.100W	Raw cable Cat.7, S/FTP, LSZH, white, 100m ring	white	100.0 m	8	simplex	17 kg/km	32.6 kg/km	100 N	6.5 mm	465 MJ/km
MK7104.100Y	Raw cable Cat.7, S/FTP, LSZH, yellow, 100m ring	yellow	100.0 m	8	simplex	17 kg/km	32.6 kg/km	100 N	6.5 mm	465 MJ/km

Note on Intended Use

This data sheet is intended solely to describe the technical characteristics of the product. It does not replace an assessment of the product's suitability for a specific application. The user is responsible for ensuring that the product is used in accordance with its technical specifications and applicable legal and regulatory requirements.

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